

## OVERVIEW

Upgradeable Unit Level Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering a comprehensive view of input level power usage via remote network access. Includes environmental monitoring capabilities to obtain real-time environmental metrics. Upgrade the hot-swappable monitoring device on select units to leverage new technologies and accommodate changing business needs.

### Benefits

- Reliable power distribution with local and remote power monitoring options offer quick access to critical power usage information to evaluate energy usage trends and maximize uptime.
- Environmental monitoring capabilities with the addition of optional environmental sensors ensure users have critical infrastructure data at their fingertips to prevent climate-related equipment failure and system downtime.
- Fault-Tolerant Daisy Chaining with RSTP simplifies intelligent rPDU connectivity and ensures data is reported even when a break in the network chain occurs. Supports up to 40 rPDUs.
- Every unit is 100% tested for reliability and functionality.
- Daisy-chain up to 50 devices on a single IP address and reduce deployment time with self-configuration of downstream devices.



## Part #: VP4N60AE

**Model Number:** MN05MGW1-30CF18-6PS15B0A10-S-A

**Category:** Monitored

**Sub Category:** Unit Level

**Power Configuration:** 60A, 208V DELTA, 17.2kW

**Physical Configuration:** 72in / 1829mm, Vertical

### Product Summary:

rPDU, Monitored Unit Level EC, 60A, 208V DELTA, 17.2kW, Vertical, (30) Combination C13/C19, 10ft power cord with 3P+E (IP44), Black Powder Coat.

### Monitoring:

Input and per Phase power monitoring with Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display.

### Plug Form:



3P+E (IP44)

### Receptacle:



Combination C13/C19  
(Quantity: 30)

### Chassis Color Options:



To discuss color options, contact your local sales representative.

## Product Specification and Options

### System Features

|                                                |                                                                                                                                                                                                                                                   |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Monitoring</b>                              | Input and per Phase power monitoring with Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display.                                             |
| <b>Input Monitoring</b>                        | <p>Total Unit Monitoring (kWh, W, VA, PF)<br/> Phase (AB, BC, CA) Monitoring (kWh, W, VA, PF, V, A)<br/> Line (A, B, C) Monitoring (A)</p> <p>Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements</p> |
| <b>Circuit Monitoring</b>                      | <p>Circuit / Breaker Monitoring (A)</p> <p>Circuit/Breaker Current Measurements Independently Tested and Verified at 1% Accuracy</p>                                                                                                              |
| <b>Quantity Of Inputs</b>                      | 1                                                                                                                                                                                                                                                 |
| <b>Voltage</b>                                 | 200-240V Delta                                                                                                                                                                                                                                    |
| <b>Current</b>                                 | 60A x 3 Phase DELTA                                                                                                                                                                                                                               |
| <b>VA per Input (Load Capacity)</b>            | 17.2kW (208V)                                                                                                                                                                                                                                     |
| <b>Frequency</b>                               | 50/60Hz                                                                                                                                                                                                                                           |
| <b>Over Current Protection</b>                 | (6) 20A Double Pole Magnetic Breakers (10kAIC Rated)                                                                                                                                                                                              |
| <b>Switch</b>                                  | Breaker/Switch Combination                                                                                                                                                                                                                        |
| <b>LCD Touchscreen Display / Auto Oriented</b> | Yes                                                                                                                                                                                                                                               |
| <b>Power Cable Wire Gauge</b>                  | 6/4                                                                                                                                                                                                                                               |
| <b>Power Cable Length</b>                      | 10ft / 3m                                                                                                                                                                                                                                         |
| <b>Power Entry Location</b>                    | Bottom Front                                                                                                                                                                                                                                      |
| <b>Plug Type</b>                               | IEC60309 3P + E, 60A, Splashproof IP44                                                                                                                                                                                                            |
| <b>Receptacle/Socket Type #1</b>               | Combination C13/C19                                                                                                                                                                                                                               |
| <b>- Quantity on Face</b>                      | 30                                                                                                                                                                                                                                                |
| <b>- Quantity per Breaker</b>                  | 5                                                                                                                                                                                                                                                 |
| <b>- Quantity per Phase Combination</b>        | 10                                                                                                                                                                                                                                                |
| <b>- Circuit Color ID</b>                      | 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue                                                                                                                                                                            |
| <b>- Style</b>                                 | Banks of 6                                                                                                                                                                                                                                        |
| <b>- Voltage per Receptacle/Socket</b>         | 208V                                                                                                                                                                                                                                              |
| <b>Internal RMS Voltage Sensor</b>             | Yes                                                                                                                                                                                                                                               |
| <b>Internal RMS Current Sensor</b>             | Yes                                                                                                                                                                                                                                               |
| <b>Network Connection</b>                      | Dual 10/100/1000Mbps Ethernet                                                                                                                                                                                                                     |
| <b>Protocols Supported</b>                     | DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP                                                                                                                                  |
| <b>Data Access Formats</b>                     | CSV datalog, JSON API, JSON datalog                                                                                                                                                                                                               |
| <b>USB Support</b>                             | Yes                                                                                                                                                                                                                                               |
| <b>IP Reset Button</b>                         | Yes                                                                                                                                                                                                                                               |
| <b>Hard Reboot Button</b>                      | Yes                                                                                                                                                                                                                                               |
| <b>Serial Connection</b>                       | RS232 via RJ45                                                                                                                                                                                                                                    |
| <b>Remote Sensor RJ Connection Jacks</b>       | 1 (Supports up to 16 Sensors)                                                                                                                                                                                                                     |
| <b>Maximum Operating Temperature</b>           | 60C / 140F                                                                                                                                                                                                                                        |
| <b>Heavy Steel - Powder Coat Finish</b>        | Black                                                                                                                                                                                                                                             |

|                                                       |                                                        |
|-------------------------------------------------------|--------------------------------------------------------|
| Configuration                                         | Zero U                                                 |
| Toolless Mounting Hardware - Center to Center Spacing | 61.25in and 64.75in / 1556mm and 1645mm                |
| Country of Origin                                     | USA, TAA Compliant and Buy American Act COTS Compliant |
| Product Warranty                                      | 5-year limited warranty                                |
| Certification/Agency Approvals                        | UL & c-UL Listed 62368-1                               |
| Certification/Agency Approvals                        | RoHS Compliant                                         |
| Certification/Agency Approvals                        | FCC Part 15 Class A Conformance                        |
| Chassis Dimensions (LxWxD)                            | 70in x 2.10in x 3in / 1778mm x 54mm x 76mm             |
| Shipped Weight                                        | 32lbs (14.51kg)                                        |